

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-006942**Date Inspected:** 08-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Wan wen zhong**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

Bay no. 10

1.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as Mr. Ren Zongbin (067037) perform FCAW welding on Tower shear plates, Weld joint no.ED1-A 27A/E-76. ZPMC CWI Identified as Mr. Wan wen zhong. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2332-tc-p5-F.

2. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as Mr. Ye xulan (040581) perform SMAW welding on Tower struts,, Weld joint no.ND1-A 468-38m-2-9,8. ZPMC CWI Identified as Mr. Xu Zhen rong. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2112.

**Ultrasonic Testing:**

This QA inspector, Baskar Govindarajan, performed Ultrasonic Testing (UT) of approximately 10% of the area previously tested and accepted at Tower components by ZPMC Quality Control personnel. This QA Inspector generated a TL-6027 UT report on this date. The member and the weld designations are as follows:

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## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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Sl.no.	Inspection part	Section
1.	ESD1-A 167G/H-141,265	East tower Lift 1-Near Bay 11
2.	ESD1-A 165C/J – 29,159	East tower Lift 1- Near Bay 11
3.	ESD1-A 165D/J-1, 141	East tower Lift 1- Near Bay 11
4.	ESD1-A 165E/J-16,141	East tower Lift 1- Near Bay 11
5.	ESD1-A 165F/J-16,141	East tower Lift 1- Near Bay 11
6.	ESD1-A 165G/J-16,148	East tower Lift 1- Near Bay 11
7.	ESD1-A 165H/J-16,117	East tower Lift 1- Near Bay 11
8.	SSD1-TL5K/L-1to 10, 12to14, 33to 45	South tower lift 2-CB Corner diagonal stiffener
9.	WD1-A 467-47.6M-4	Strut plate- Bay no. 10
10.	WD1-A 467-43M-3	Strut plate –Bay no. 10
11.	WD1-A 467-28M-3	Strut plate (After repair)-Bay no. 10

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

### Summary of Conversations:

No relevant conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge sinevod - 134-8257-0045, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Baskar,Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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